WHAT IS CLAIMED IS:

1. A method of an admission control device in a mobile communication system capable of providing a first communication that guarantees a predetermined quality and a second communication that does not guarantee the predetermined quality at a mobile station, comprising:

a step of sending a notification of the predetermined quality to the admission control device by the mobile station when a request for the first communication is made;

a step of calculating, by the admission control device, a reference quality admissible when a propagation quality is lowest at the mobile station; and

a step of determining, by the admission control device, whether to admit the request of the mobile station based on the reference quality.

2. The method as claimed in claim 1, wherein in the step of calculating, the admission control device calculates an assignable radio resource and calculates the reference quality based on the assignable radio resource.

3. The method as claimed in claim 2, wherein the assignable radio resource is calculated by subtracting a radio resource being used by communications different from the first communication from a total available radio resource.

4. The method as claimed in claim 2, wherein the assignable radio resource is calculated by subtracting a radio resource assigned to communications different from the first communication from a total available radio resource, said radio resource assigned to the communications allowing the communications to have the lowest propagation quality.

5. The method as claimed in claim 1, wherein

in the step of determining, the admission control device admits the request of the mobile station if the predetermined quality is less than or equal to the reference quality.

6. The method as claimed in claim 1, wherein

the predetermined quality is in a range from a lower limit to an upper limit; and

in the step of determining, the admission control device admits the request of the mobile station if the reference quality is in the range of the predetermined quality.

7. The method as claimed in claim 1, further comprising:

a step of sending a notification of the reference quality to the mobile station by the admission control device if the predetermined quality is greater than the reference quality.

8. The method as claimed in claim 7, wherein

the predetermined quality is in a range from a lower limit to an upper limit; and

the mobile station changes the predetermined quality to the reference quality if the lower limit is less than or equal to the reference quality, and changes the first communication to the second communication if the lower limit is higher than the reference quality.

9. The method as claimed in claim 1, wherein the admission control device preferentially assigns a radio resource to the first communication rather than to the second communication.

10. A mobile communication system including a mobile station and an admission control device for controlling admission of a request from the mobile station, capable of providing a first communication that guarantees a predetermined quality and a second communication that does not guarantees the predetermined quality, wherein

the mobile station includes a transmission unit configured to send a notification of the predetermined quality to the admission control device when the mobile station requests the first communication; and

the admission control device includes:

a calculation unit configured to calculate a reference quality admissible when a propagation quality is lowest at the mobile station; and

a determination unit configured to determine whether to admit the request of the mobile station based on the reference quality.

11. A mobile station capable of requesting from an admission control device for a first communication that guarantees a predetermined quality and a second communication that does not guarantee the predetermined quality at the mobile station, comprising:

a transmission unit configured to send a notification of the predetermined quality to the admission control device when a request for the first communication is made; and

a modification unit configured to change the predetermined quality to a reference quality admissible when a propagation quality is lowest at the mobile station if the predetermined quality is less than or equal to the reference quality, and to change the first communication to the second communication if the predetermined quality is higher than the reference quality.

12. An admission control device for controlling admission of a request from a mobile station for a first communication that guarantees a predetermined quality and a second communication that does not guarantee the predetermined quality, comprising:

a calculation unit configured to calculate a reference quality admissible when a propagation quality is lowest at the mobile station; and

a determination unit configured to

determine whether to admit the request of the mobile station based on the reference quality.

13. The admission control device as claimed in claim 12, wherein the calculation unit calculates an assignable radio resource and calculates the reference quality based on the assignable radio resource.

14. The admission control device as claimed in claim 13, further comprising a measurement unit configured to measure a radio resource being used by communications different from the first communication;

wherein

the calculation unit calculates the assignable radio resource by subtracting the used radio resource from a total available radio resource.

15. The admission control device as claimed in claim 13, wherein the calculation unit calculates the assignable radio resource by subtracting a radio resource assigned to communications different from the first

communication from a total available radio resource, said radio resource assigned to the communications allowing the communications to have the lowest propagation quality.

16. The admission control device as claimed in claim 12, wherein

the determination unit determines to admit the request of the mobile station if the predetermined quality is less than or equal to the reference quality.

17. The admission control device as claimed in claim 12, wherein

the predetermined quality is in a range from a lower limit to an upper limit; and

the determination unit determines to admit the request of the mobile station if the reference quality is in the range of the predetermined quality.

18. The admission control device as claimed in claim 12, further comprising:

a transmission unit configured to send a notification of the reference quality to the mobile

station if the predetermined quality is greater than the reference quality.

19. The admission control device as claimed in claim 12, wherein the determination unit preferentially assigns a radio resource to the first communication rather than to the second communication.

20. A program for admission control of a request from a mobile station for a first communication that guarantees a predetermined quality and a second communication that does not guarantee the predetermined quality at a mobile station, comprising the steps of:

sending a notification of the predetermined quality to an admission control device when the first communication is requested; and

changing the predetermined quality to a reference quality admissible when a propagation quality is lowest at the mobile station if the predetermined quality is less than or equal to the reference quality, and changing the first communication to the second communication if the predetermined quality is higher than the reference quality.

21. A program for operating an admission control device that controls admission of a request from a mobile station for a first communication guaranteeing a predetermined quality and a second communication not guaranteeing the predetermined quality, comprising the steps of:

calculating a reference quality admissible when a propagation quality is lowest at the mobile station; and

determining whether to admit the request of the mobile station based on the reference quality.